(v) Building permit from the local authorities.

(vi) Preparation of detailed plans, estimates and obtaining financial approval from appropriate authority for construction work.

(vii) Procurement of equipment.

(viii) Inviting tenders, obtaining approval from the appropriate committee and award of contract for construction work.

(c) All the formalities were to be completed by the BPCL and none by the landlord.

(d) The completion of negotiation for land was the pre-requisite, the absence of which was the main reason for non-completion for the formalities.

**Assistance to Scientist for making Fuel Saving Device**

3945. SHRI A. VIJAYA RAGHAVAN : Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state :

(a) whether Government's attention has been drawn to the news-item captioned, "Scientist sulks under Government apathy" which appeared in The Hindu dated the 30th May 2001;

(b) whether the Scientist after ten years hard work had made a fuel saving device after achieving 40 per cent upgraded efficiency but has not been provided any help from Government though the different agencies of six countries have shown keen interest;

(c) if so, the details thereof; and

(d) the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI SANTOSH GANGWAR) : (a) Yes Sir.

(b) to (d) The test conducted by the Indian Institute of Petroleum indicated that there was no improvement in thermal efficiency with the use of the device

and the device did not show any saving of LPG. The Expert Group comprising members from Deptt. of Scientific and Industrial Research under the Ministry of Science & Technology, Indian Institute of Petroleum, Dehradun, LPG Equipment Research Centre, Bangalore, National Research and Development Centre, Delhi and Pertoleum Conservation Research Association opined that the test procedure followed by Central Fuel Research Institute was not a standard one as specified for such devices.

**Crude Oil Production**

†3946. SHRI RAM JETHMALANI : Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state :

(a) whether Government have fixed any targets for increasing the refining capacity of crude oil alongwith the production of crude oil in the country during the coming years;

(b) if so, the details of the targets; and

(c) the details of the targets of refining capacity as well as production of crude oil in the country by the end of the year 2007?

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI SANTOSH GANGWAR) : (a) to (c) The refining capacity of 112.54 MMTPA at the beginning of this year is likely to increase to 114.67 MMTPA by the end of this year. The refining capacity is estimated to increase further to meet the growing demand of petroleum products during the Xth plan period.

Since the refining sector is delicensed, it is difficult to estimate the installed capacity by the end of year 2007.

The target for crude oil production during 2001-02 is 32.32 million metric tonnes (MMT). As per the projections of the Xth Plan, which is yet to be finalized. the total crude oil production in 2006-07 is expected to be 33.91 MMT.

†Original notice of the question was received in Hindi.